Work Order ID 76389

November-11-11 12:42:33 PM

76389



Page 1

D3391-021 Accept • Item ID: *N900040100* Setup Start **Revision ID:** Item Name: Fwd Tube Assembly 11/11/2011 Start Qty: 1.00 **Start Date: Cust Item ID: Required Date: 25/11/2011** Req'd Qty: 1.00 **Customer:** Reference: Run Start Process Plan: MLJ Date: 1111114 Tooling: Date: Approvals: Date: SPC (Y/N): QC: Date: Sequence ID/ Tool # Plan `Set Up/ Reject Operation gol ID Accept Reject Insp. Work Center ID Description Qty Run Hour Code Otv Number Stamp **Draw Nbr Revision Nbr** Q11.11.14 D3391 Rev H U/R 100 Skidtubes *100* 11-11-75 Skidtubes Memo Skidtubes Cut extrusion to 46.52 +0.010 -0.020 110 0.00 BENDING MACHINE - SKIDTUBES *110* CNC Bend 1 0.00 Memo Bend as per Dwg D3391 Using Bend Prog 3391021 CNC Delta 100 Bender 120 QC5- Inspect part completeness to step on W/O 0.00 *120* QC 0.00 Memo Quality Control

Dart Ae	rospace	e Ltd						4
W/O: 7/	389		V	VORK ORDER CHANGES			*	1, 1
DATE	STEP	PROCE	DURE CI	HANGE	Ву	Date Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector
				,				
						a		
Part No		391-021 PAR #:				No DQA	Date: 4	1 /1.
1.1	N I	esolution:	Disposi	tion: Sever C	A: N/C C	osed:	Date: <u>\(\lambda \) </u>	11/30
NCR:	1011	WC	RK OR	DER NON-CONFORMANC	CE (NCF	398,58		
DATE	STEP	Description of NC Section A	Initial Chie Eng	Corrective Action Section B Action Description Chief Eng	Sign &	Verification	Approval Chief Eng	Approval QC Inspector
11-11-15	110	in rollers, changing Tangent point tube anerbent by !!	1/16/15 25/042	Scrap tuke. No replace.	11-11-2	3 SA)	1/11/15	S ulais
h k			,	port course				

November-11-11 12:42:33 PM Item ID: D3391-021 Accept *N900040100* Setup Start Revision ID: Stop Item Name: Fwd Tube Assembly **Start Date:** Start Qty: 1.00 11/11/2011 **Cust Item ID:** Req'd Qty: 1.00 **Required Date: 25/11/2011 Customer:** Reference: Run Start Process Plan: Date: Tooling: Approvals: Date: Stop SPC (Y/N): Date: Date: - Operation Sequence ID/ Set Up/ Tool ID Tool # Plan Reject Accept Reject Insp. Description. **Work Center ID** Qty Number Stamp **Run Hours** Code Oty 130 0.00 HAAS CNC VERTICAL MACHINING #1 *130* HAAS I 0.00 Memo HAAS CNC vertical machine #1 1-Machine as per Folio FA590 Rev. & Dwg D3391 Rev. Identify as D3391-1 2-Deburr 140 QC2- Inspect parts off machine FAI/FAIB 0.00 0.00 Memo Quality Control 150 0.00 CONVENTIONAL MILLING MACHINE

Mema

Drill X1 Aft cap as per Dwg D3391 .1875" dia

Conventional Milling Machine

150

Mill Conv

0.00

D	ai	t	Α	eı	ro	S	p	а	C	e	Lt	d	
---	----	---	---	----	----	---	---	---	---	---	----	---	--

	····									
W/O:			W	ORK ORDER CHANG	GES			_		
DATE	STEP	PRO	OCEDURE CHA	ANGE	E	Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector
Part No	Part No: PAR #: Resolution:		Fault Cate	egory:	_ NCR:	Yes N	o DQA	١:	_ Date: _	
			Disposition	on:	QA: N	/C Clos	sed:		Date: _	9,14
NCR:			WORK ORD	ER NON-CONFORM	ANCE (NCR)				
DATE	CTED	Description of NC			tion B		Verific	ation	Approval	Approval
DATE	STEP	Section A	Initial Chief Eng	Action Description Chief Eng		ign & Date	Verification Section C		Chief Eng	QC Inspector
										:
										:

Work Order ID 76389 November-11-11 12:42:33 PM			*76?	389*						Page 3	
Item ID: Revision ID:	D3391-021			Accept	*N900	040	100)*	Setup Sta	1.71	S1*
Item Name: Fwd Tube Assembly Start Date: 11/11/2011 Start Qty: 1.00 Required Date: 25/11/2011 Req'd Qty: 1.00 Reference: Approvals: Process Plan:		*1* *1*		Cust Item l Customer:	ID:				" "N	S2*	
Approvals:	Process Pla	ın:	Date:	Tooling:	D	ate:			Run Sta Sta		R1*
	QC:		Date:	_ SPC (Y/N):	D	ate:			50	[™] *Ν	R2*
Sequence ID/ Work Center II)	Operation Description QC2-Inspect parts off m	nachine FAI/FAIB	Set Up/ Run Hours	Tool ID	Tool#	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
160 QC Quality Control		Memo		0.00							
					•		-				
170 * 47 0*		QC8- Inspect parts - seco	ond check	0.00							

0.00

Memo

Quality Control

W/O:			W	ORK ORDER CHANG	ES			
DATE	STEP	PR	OCEDURE CHA	NGE	Ву	Date C	Approval Chief Eng /	Approval QC Inspector
							Prod Mgr	
		NAME OF TRANSPORT						<u> </u>
Part No	·	PAR #:	Fault Cate	gory:	_ NCR: Yes	No DQA:_	Date: _	
	Re	esolution:	Dispositio	n:	_ QA: N/C C	losed:	Date: _	
NCR:			WORK ORD	ER NON-CONFORM	ANCE (NC	₹)		
D.475		Description of NC			on B Sign & Verification Approval Section C Chief Eng	Approval		
DATE	STEP	Section A	Initial Chief Eng	Action Description Chief Eng		Verification		QC Inspector
			·					
					İ			
·		, , , , , , , , , , , , , , , , , , ,						

Work Ord November-11-1			*76389*								Page 4		
Item ID: Revision ID:	D3391-021			Accept	*N900	040	100	ገ*	Setup	Start Stop		S1*	
Item Name: Start Date: Required Date: Reference:	Fwd Tube Ass 11/11/2011 25/11/2011	Start Qty: 1.00 Req'd Qty: 1.00	*1* *1*		Cust Item l Customer:	ID:				этор	*N:	S2*	
Approvals:		n:		Tooling:		ate:				Start Stop	_	R1*	
	QC:		_ Date:	_ SPC (Y/N):	D:	ate:				•	*N	R2*	
Sequence ID/ Work Center II)	Operation Description		Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Rejec Qty		Reject Number	Insp. Stamp	
¹80 *1 ጸ∩*		Skidtubes		0.00									
Skidtubes Skidtubes		holes to fini (ONLY DR 2-Drill Rem holes drilled 3-Open tow 4-Open Tow 5- open floa 6-Deburr &	sh size) ILL HOLES MARKED "A aining two holes for tow c I in previous step cap holes to .208" as per Ring hole to .640" as pe	ap using DT 8819 Locatin Dwg D3391 r Dwg D3391 inter sink as per dwg D339 de aft end.	ng off of .1875"								
⁹⁰ *19∩*		QC5- Inspect part compl	eteness to step on W/O	0.00									
QC	∩* Memo			0.00									

Quality Control

W/O:			W	ORK ORDER CHANGE	S				
DATE	STEP	PRO	OCEDURE CHA		Ву	Date	Qty	Approval Chief Eng / Prod Mar	Approval QC Inspector
						· · · · · · · · · · · · · · · · · · ·		<u> </u>	
Part No	•	PAR #:	Fault Cate	gory:	NCR: Yes	No DQ	٨:	Date:	
	R	esolution:	Disposition	n:	QA: N/C C	osed:		Date: _	
NCR:	,	1	WORK ORD	ER NON-CONFORMAN	NCE (NCF	?)			
DATE	STED	Description of NC		Corrective Action Section		Verific	Qty Chief Eng / Prod Mgr	Approval	
DATE	SIEP	Section A	Initial Chief Eng	Action Description Chief Eng	Sign 8 Date	Section	on C		QC Inspector
	DATE STEP								
							:		

Work Orde November-11-11				*763	389*						Page 5
Item ID: Revision ID:	D3391-021			Accept	*N900	040	100)* ፡	Setup Star	1/1	S1*
Item Name:	Fwd Tube Ass	sembly							Sto	^P *N	S2*
Start Date:	11/11/2011	Start Qty: 1.00	*1*		Cust Item 1	D :					
Required Date:	25/11/2011	Req'd Qty: 1.00	*1*		Customer:						
Reference:			-						_		
Approvals:	Process Pla	n:	Date:	Tooling:	Da	ate:		I	Run Stai	1/	R1*
	QC:		Date:		Date:			Sto	*N	R2*	
Sequence ID/ Work Center II)	Operation Description		Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
200		Chemical Conversion Co	at per QSI005 4.1	0.00							
200 HandFinish		Memo		0.00							
Hand Finishing											
210		QC3- Inspect Part Finish		0.00							
210											
QC		Memo		0.00							
Quality Control											
220				0.00							
220		Skidtubes									
Skidtubes		Memo		0.00							
Skidtubes		A/R Magna exp. date: cure time 12I 2- grind cross									
		2- grind cross									

	•										
W/O:			WO	RK ORDER CHAN	GES		-				
DATE	STEP	PRO	OCEDURE CHAN	IGE	Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector		
Part No	•	PAR #:	Fault Categ	ory:	NCR: Ye	s No DC	A:	Date: _			
	Res	olution:	Disposition	:	QA: N/C	Closed:		Date: _			
NCR:			WORK ORDE	ORDER NON-CONFORMANCE (NCR) Corrective Action Section B							
DATE	STEP	Description of NC			ection B		cation	Approval	Approval		
	0.2.	Section A	Initial Chief Eng	Action Description Chief Eng	Da		tion C	Chief Eng	QC Inspector		
									:		
									:		

Work Ord November-11-1				*763	389*							Page 6	;
Item ID: Revision ID:	D3391-021	omhlr.	the regional and the second	Accept	*N900	040	100)*	Setup	Start Stop	171.	S1* S2*	
Item Name: Start Date: Required Date: Reference:	Fwd Tube Ass 11/11/2011 25/11/2011	Start Qty: 1.00 Req'd Qty: 1.00	*1* *1*		Cust Item Customer:						IV.		
Approvals:	Process Pla	n:	Date:	Tooling:	D	ate:			Run	Start	*N	R1*	
	QC:		Date:	_ SPC (Y/N):	D	ate:				Stop	*NI	R2*	
Sequence ID/ Work Center II 230)	Operation Description QC5- Inspect part compl	eteness to step on W/O	Set Up/ Run Hours	Tool ID	Tool#	Plan Code	Accept Qty	t Rej Qty		Reject Number	Insp. Stamp	
230 QC Quality Control		Memo		0.00									
²³⁵ * 235 *		Pressure Wash per QSI00	05 4.3	0.00									
HandFinish Hand Finishing		Memo AND REAL	ODINE AS PER PAR09-	0.00 043									
²⁴⁰ * 24 0*		White Gloss(Ref:4.3.5.1)	per QSI005 4.3-Alum	0.00									
Powdercoat Powder Coating		Memo START TIM OVEN TEM	1E: IPERATURE:	0.00									

FINISH TIME:____

										•
W/O:			W	ORK ORDER CHANG	ES					
DATE	STEP	PRO	OCEDURE CHA	ANGE		Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector
Part No	•	PAR #:	Fault Cate	egory:	_ NCR:	Yes N	o DQA:		Date:	
	Re	esolution:	Dispositio	on:	_ QA: I	VC Clos	sed:		Date:	
NCR:		,	WORK ORD	ER NON-CONFORM	ANCE	(NCR)				
DATE	STEP	Description of NC			ion B	<u> </u>	Verifica		Approval	Approval
DAIL	SILF	Section A	Initial Chief Eng	Action Description Chief Eng		Sign & Date	Section	1 C	Chief Eng	QC Inspector
									Approval Chief Eng	

Work Order ID 76389 November-11-11 12:42:33 PM			*76389*					Page 7				
Item ID: Revision ID:	D3391-021			Accept	*N900	<u>040</u>	100)*	Setup S	1 🛚	S1*	
Item Name:	Fwd Tube Ass	sembly							~	, N	IS2*	
Start Date:	11/11/2011	Start Qty: 1.00	*1	*	Cust Item 1	ID:						
Required Date:	25/11/2011	Req'd Qty: 1.00	*1	*	Customer:							
Reference:			•					-		144	_	
Approvals:	Process Pla	ın:	Date:	Tooling:	D	ate:		J			IR1*	
••	QC:		Date:	SPC (Y/N):	D	ate:			5	Stop *N	IR2*	
Sequence ID/ Work Center I	D	Operation Description		Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Rejec Qty	t Reject Number	Insp. Stamp	
250		QC3- Inspect Part Finish		0.00								
250 QC Quality Control		Memo		0.00							_	
255				0.00								
255		Skidtubes										
Skidtubes		Memo		0.00								
Skidtubes		**** install E DWG ****	03591-1 spacer as p	er DS19364 and wearplate and	d gasket as per							
257		QC5- Inspect part complete	teness to step on W	/O 0.00								
257		Memo		0.00	•							

Quality Control

										•		
W/O:			W	ORK ORDER CHANG	ES							
DATE	STEP	PR	OCEDURE CHA	NGE	Ву	C	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector		
· · · · · · · · · · · · · · · · · · ·						-						
Part No:PAR		PAR #:	Fault Category:NO			NCR: Yes No DQA: Date:						
	Re	esolution:	Dispositio	n:	QA: N/C	Close	ed:		Date:	· · · · · · · · · · · · · · · · · · ·		
NCR:			WORK ORD	ER NON-CONFORM	ANCE (N	CR)						
DATE	STEP	Description of NC		tion B	Sign &			Approval	Approval			
DAIL	JILF	Section A	Initial Chief Eng	Action Description Chief Eng	Sig Da		Section C		Chief Eng	QC Inspector		
										7-11-11		
	1 1		1 1		1	1						

Work Order ID 76389 November-11-11 12:42:33 PM				*76389*							Page 8	
Item ID: Revision ID: Item Name:	D3391-021 Fwd Tube As	sembly		Accept	*N900	040	100)* ፡	Setup Sta	I	S1* S2*	
Start Date: Required Date: Reference:	11/11/2011 25/11/2011	Start Qty: 1.00 Req'd Qty: 1.00	*1* *1*		Cust Item I Customer:	D:					,	
Approvals:	Process Pla	an:	Date:	Tooling: SPC (Y/N):	Date:Date:		F	Run Sta Sto		R1* R2*		
Sequence ID/ Work Center II 260 *260* Packaging Packaging	D	Operation Description Identify as per dwg & St	. bek Location:	Set Up/ Run Hours 0.00	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp	
280 * 280 QC		QC21- Final Inspection -	Work Order Release	0.00								

Quality Control

11-11-23

W/O:			WORK ORDER CHANGES													
DATE	STEP	PRO	OCEDURE CHA	NGE	B	/	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC inspector						
																
Part No:		PAR #:	Fault Cate	NCR: Y	es N	o DQ	A:	Date:								
Resolution:			Disposition	n:	QA: N/	C Clos	ed:		Date:							
NCR:			WORK ORD	ER NON-CONFORM	ANCE (N	ICR)										
DATE	STEP	Description of NC		tion B	0	Verific		Approval Chief Eng	Approval							
DAIL	J.L.	Section A	Initial Chief Eng	Action Description Chief Eng	51	gn & late	Section C		QC Inspector							
							<u></u>									
							···································	, ,								

Picklist Print

November-11-11 12:42:39 PM

Work Order ID: 76389

76389

Parent Item:

D3391-021

D3391-021

Parent Item Name: Fwd Tube Assembly

Start Date: 11/11/2011

Required Date: 25/11/2011

Start Qty: 1.00

Required Qty: 1.00

Comments:

IPP A05.09.13New issue

KJ/JLM

IPP B06.02.10Dwg rev.D ecn 773 EC IPP C06.05.02Added inspections EC

IPP D 07.03.13 rev F dwg EC

IPP E 07.11.07 revG dwg ecn1053P EC verified by: DD IPP Rev:f ECN 1056 07-11-12 DD verified by: EC

IPP Rev:G 08-09-08 new process (ecn 08-510) DD verified by:EC

IPP Rev:H 08-09-10 revH as per dwg DD verified by:EC

IPP Rev J 09.02.02 added hardware EC verifified by: DD

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
D6013-047		Manufactured	No			100	Each	8.0000	1	1		<u>, </u>	
D6013-04	17								**			11-1	11-15
				Location	<u>!</u>	Loc	Oty	Loc Code	$\overline{}$				
				LG	26547		8		()		_		
D3670-4-200		Manufactured	No	Ć	26547	220	8 Each	104.0000		4	_		
D3670-4-	200	Translated of							**	•		. 10	
				Location		Loc	<u>Oty</u>	Loc Code					
				LG			12				_		
					71850		12						
				LG001			92				_		
					72851		92				_		
D3401-041		Manufactured	No			255	Each	1.0000	1	1			
D3401-04 Tow Cap Assembly	11								**				
				Location		<u>Loc</u>	<u>Qty</u>	Loc Code					
				FP007			1		_		_		
					71352		1		_		_		

W/O:		WORK ORDER CHANGES											
DATE	STEP	PRO	OCEDURE CHA	NGE	Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector				
Part No		PAR #:	Fault Category: NCR: Yes No DQA: Date:										
	R	esolution:	Dispositio	n:	QA: N/C CI	osed:		Date:					
NCR:			WORK ORD	ER NON-CONFORM	ANCE (NCF	R)							
	STEP	Description of NC Section A		ction B	Verific	cation	Approval	Approval					
DATE			Initial Chief Eng	Action Description Chief Eng	Sign 8 Date	Secti	on C	Chief Eng	QC Inspector				
				····									

November-11-11 12:42:39 PM

76389 Work Order ID: 76389 D3391-021 *D3391-021* Parent Item: Parent Item Name: Fwd Tube Assembly **Required Date: 25/11/2011 Start Date: 11/11/2011** Start Qty: 1.00 Required Qty: 1.00 D3564-13 255 Each 17.0000 Manufactured No ** *D3564-13* Wearshoe Location Loc Oty Loc Code FP001 16 16 73323 FP017 71594 D3566-13 Manufactured No 255 Each 30.0000 ** *D3566-13* Gasket Loc Qty Loc Code Location FP 29 29 73322 FP014 68341 1 NAS1149C0332 Purchased 255 0.0000 AN960C10L No Each 10 10 *AN960C10I * ** washer

W/O:		WORK ORDER CHANGES											
DATE	STEP	PRO	PROCEDURE CHANGE					Approval Chief Eng / Prod Mgr	Approval QC Inspector				
								Prod Mgi					
Part No	:	PAR #:	Fault Cate	gory:	_ NCR: Yes	No DC	A:	Date:					
	Re	esolution:	Dispositio	n:	_ QA: N/C C	losed:		Date: _					
NCR:		1	WORK ORD	ER NON-CONFORMA	ANCE (NC	R)							
		Description of NC Section A		on B	Verif	ication	Approval	Approval					
DATE	STEP		Initial Chief Eng	Action Description Chief Eng	Sign Date	& Sec	tion C	Chief Eng	QC Inspector				
		,											
									į				
							.a						

Picklist Print November-11-11 12:42:39 PM									Page 3
Work Order ID: 76389 Parent Item: D3391-021 Parent Item Name: Fwd Tube Assembly		*76389* *D3391-021*				art Date: 1		Required Date: 25/11/2011 Required Qty: 1.00	
AN3C4A	Purchased	No		255	Each	2,163.000	10	10	
AN3C4A							**		
D3672-1 *D3672-1*	Manufactured		117313 117688 117872 118112 118451 118706 118838 119328	<u>1</u> 255	2163 2 5 22 16 2 142 974 1000 Each	Loc Code 688.0000	4 **	4	
Phenolic Washer		ST074	52505 66821 72229	<u>I</u>	oc Oty 424 0 424 264 264	<u>Loc Code</u>			
AFI S-1032-130 INSERT	Purchased	No		255	Each	0.0000	2 **	2	
*AFI S-1032-225 *AFI S-1032-225*	Purchased	No		255	Each	0.0000	10 **	10	

W/O:		WORK ORDER CHANGES											
DATE	STEP	PRO	OCEDURE CHA	NGE	Ву	Date Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector					
				2/11/20/20/20/20/20/20/20/20/20/20/20/20/20/			1 Too Migi						
								·					
								:					
Part No	•	PAR #:	Fault Cate	gory:	NCR: Yes	lo DQA:	Date: _						
	R	esolution:	Dispositio	າ;	QA: N/C Clo	sed:	Date: _						
NCR:			WORK ORDI	ER NON-CONFORMA	NCE (NCR)								
	STEP	Description of NC		Corrective Action Section		Verification	Approval	Approval					
DATE		Section A	Initial Chief Eng	Action Description Chief Eng	Sign & Date	Section C	Chief Eng	QC Inspector					
				<u> </u>									















